

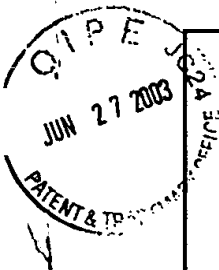
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PTO/SB/21 (08-00)

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Application Number	09/611,257
Filing Date	July 6, 2000
First Named Inventor	Terrance P. SMITH
Group Art Unit	1646
Examiner Name	Nirmal S. Basi
Attorney Docket Number	381092000721

Total Number of Pages in This Submission 3

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ENCLOSURES (check all that apply)

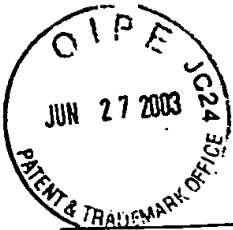
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Kawa: Lau (+4,461) MORRISON & FOERSTER LLP for Kate H. Murashige - 29,959
Signature	
Date	June 23, 2003

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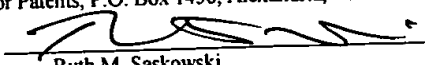


PATENT
Docket No. 381092000721

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In the application of:

Terrance P. SNUTCH
and David L. BAILLIE

Serial No.: 09/611,257

Filing Date: 6 July 2000

For: MAMMALIAN T-TYPE CALCIUM
CHANNELS

Examiner: Nirmal S. Basi

Group Art Unit: 1646

AMENDMENT UNDER 37 C.F.R. §1.111

Mail Stop Non-Fee Amendment
Commissioner for Patents
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Alexandria, VA 22313-1450

Dear Sir:

This is in response to a Communication sent by the Office on 3 June 2003, for which a date to respond was set as one (1) month from that date or 3 July 2003. The Communication stated that applicants did not address the rejection of claim 6 under 35 U.S.C. § 112, second paragraph. Applicants apologize for this omission.

The rejection is based on the assertion that, "it is unclear what interaction is a functional calcium channel so as to allow metes and bounds of the claim to be determined."

Respectfully, applicants believe that the functionality of calcium ion channels is well described in the art as well as in the specification. The interaction is to permit the flow of calcium ions into the cell. In this context, it is believed that a "functional" calcium ion channel is self-explanatory. The Office is referred to page 1 of the specification, lines 13-16.

It is believed that the foregoing constitutes a sufficient response to obviate the outstanding rejection.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket No. 381092000721.

Respectfully submitted,

Dated: June 23, 2003

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